

## SEQUENCE LISTING

<110> Brenda F. Baker  
Susan M. Freier

<120> ANTISENSE MODULATION OF INTERLEUKIN 8 EXPRESSION

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RTS-0266-000001



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&lt;222&gt; (91)...(390)

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Met Thr Ser Lys Leu Ala Val Ala  
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ctc ttg gca gcc ttc ctg att tct gca gct ctg tgt gaa ggt gca gtt 162  
Leu Leu Ala Ala Phe Leu Ile Ser Ala Ala Leu Cys Glu Gly Ala Val  
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ttg cca agg agt gct aaa gaa ctt aga tgt cag tgc ata aag aca tac 210  
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25 30 35 40

tcc aaa cct ttc cac ccc aaa ttt atc aaa gaa ctg aga gtg att gag 258  
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45 50 55

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90 95 100

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RTS-0266-0924



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RTS-0266-03494



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aac tct aac tct tat ata gga agt tgt tca atg ttg tca gtt atg act 2285  
 Asn Ser Asn Ser Tyr Ile Gly Ser Cys Ser Met Leu Ser Val Met Thr  
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gtt ttt taa aac aaa gaa cta act gag gtc aag ggc tag gag ata ttc 2333  
 Val Phe \* Asn Lys Glu Leu Thr Glu Val Lys Gly \* Glu Ile Phe  
 225 230 235

agg aat gag ttc act aga aac atg atg cct tcc ata gtc tcc aaa taa 2381  
 Arg Asn Glu Phe Thr Arg Asn Met Met Pro Ser Ile Val Ser Lys \*  
 240 245 250

tca tat tgg aat tag aag gaa gta gct ggc aga gct gtg cct gtt gat 2429  
 Ser Tyr Trp Asn \* Lys Glu Val Ala Gly Arg Ala Val Pro Val Asp  
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aaa atc aat cct taa tca ctt ttt ccc cca aca ggt gca gtt ttg cca 2477  
 Lys Ile Asn Pro \* Ser Leu Phe Pro Pro Thr Gly Ala Val Leu Pro  
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 Arg Ser Ala Lys Glu Leu Arg Cys Gln Cys Ile Lys Thr Tyr Ser Lys  
 285 290 295

cct ttc cac ccc aaa ttt atc aaa gaa ctg aga gtg att gag agt gga 2573  
 Pro Phe His Pro Lys Phe Ile Lys Glu Leu Arg Val Ile Glu Ser Gly  
 300 305 310

cca cac tgc gcc aac aca gaa att atg taa gta ctt taa aaa aga tta 2621  
 Pro His Cys Ala Asn Thr Glu Ile Met \* Val Leu \* Lys Arg Leu  
 315 320 325

gat att ttg ttt tag caa act taa aat taa gga agg tgg aaa tat tta 2669  
 Asp Ile Leu Phe \* Gln Thr \* Asn \* Gly Arg Trp Lys Tyr Leu  
 330 335

gga aag ttc cag gtg tta gga tta cag tag taa atg aaa caa aac aaa 2717  
 Gly Lys Phe Gln Val Leu Gly Leu Gln \* \* Met Lys Gln Asn Lys  
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 355 360 365

tac tat aaa tgt tat ttt gga ctt aga ctt tat gcc tga ctt aag gaa 2813  
 Tyr Tyr Lys Cys Tyr Phe Gly Leu Arg Leu Tyr Ala \* Leu Lys Glu  
 370 375 380

tca tga ttt gaa tgc aaa aac taa ata tta atc tga acc att tct ttc 2861  
 Ser \* Phe Glu Cys Lys Asn \* Ile Leu Ile \* Thr Ile Ser Phe  
 385 390 395

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caa gga aaa ctg ggt gca gag ggt tgt gga gaa gtt ttt gaa gag gta 2957  
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atc caa agt cag cct ata aat ttc ttt ctg ttg cta aaa atc gtc att 3053  
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 445 450 455 460

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 Arg Tyr Leu Pro Phe Trp Leu Lys Lys Lys Glu \* His Gln \* \*  
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gtt tgt tgt act tat gac cag aaa gac cat aca tag ttt gcc cag gaa 3149  
 Val Cys Cys Thr Tyr Asp Gln Lys Asp His Thr \* Phe Ala Gln Glu  
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 Ile Leu Gly Leu Ser Leu Cys Pro Ile Leu Leu Val Lys Phe Phe Val  
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act ccc agt agt gtc cta ttt tag atg ata att tct ttg atc tcc cta 3245  
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RTS-0266-094801



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RTS-0266-09401







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[illegible]

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**THE**  
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STATIONERS' COURT, CHANCERY LANE.

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**THE**

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T0960143-092401



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TOP SECRET 092401



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<210> 68

<211> 20

<212> DNA

<213> Artificial Sequence

RTS-0266-09404



<220>

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20

<210> 69

<211> 20

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<213> Artificial Sequence

<220>

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<400> 69

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<210> 70

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<220>

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<400> 70

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<210> 71

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&lt;210&gt; 72

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Antisense Oligonucleotide

&lt;400&gt; 72

atttagacat aggaaaacgc

20

&lt;210&gt; 73

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Antisense Oligonucleotide

&lt;400&gt; 73

ctttgctatc taaggatcac

20

&lt;210&gt; 74

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Antisense Oligonucleotide

&lt;400&gt; 74

aaagcatcaa gaatagcttt

20

&lt;210&gt; 75

RTS-0266-03404



<211> 20

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<220>

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<400> 75

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20

<210> 76

<211> 20

<212> DNA

<213> Artificial Sequence

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<210> 78

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RTS-0266-032401



[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in YEA medium at 28°C for 24 h. The cell concentration of the strains was adjusted to 1.0 × 10<sup>8</sup> cells/ml. The cell suspension was mixed with the plant tissue and the transformation efficiency was determined. The results are the mean of three independent experiments. Error bars represent standard deviation.

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[illegible][illegible][illegible]

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[illegible]

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[illegible]

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20

<210> 83

<211> 20

<212> DNA

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<220>

<223> Antisense Oligonucleotide

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20

<210> 84

<211> 20

<212> DNA

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<220>

<223> Antisense Oligonucleotide

<400> 84

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<210> 85

<211> 20

<212> DNA

RTS-0266 PATENT



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<223> Antisense Oligonucleotide

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<210> 86

<211> 20

<212> DNA

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<210> 87

<211> 20

<212> DNA

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<220>

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<400> 87

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<210> 88

<211> 20

<212> DNA

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<223> Antisense Oligonucleotide



<400> 88

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20

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